

AMENDMENTS TO THE CLAIMS:

This listing of claims will replace all prior versions, and listings, of claims in the application.

Listing of Claims:

1. (Currently Amended) An optical switch for changing over a running direction of a light passing through an optical waveguide between a first direction and a second direction by moving a switching member disposed on an optical path of an optical waveguide, wherein the switching member has a plurality of switching positions for selectively guiding each of lights of at least two different wavelengths into the first direction or second direction, respectively and the switching member is moved by applying pressure to a liquid in contact with the switching member.
2. (Original) An optical switch according to claim 1, wherein the plurality of switching portions includes a first switching portion and a second switching portion, wherein the first switching portion is for guiding lights of first and second wavelengths into the first and second directions, respectively, and wherein the second switching portion is for guiding lights of the first and second wavelengths into the second and first directions.
3. (Original) An optical switch according to claim 2, wherein the plurality of switching portions further includes a third switching portion for guiding lights of the first and second wavelengths into one of the first and second directions.
4. (Previously Presented) An optical switch according to claim 1, wherein the switching member is configured to move within a groove intersecting with the optical waveguide.
5. (Currently Amended) An optical switch according to claim 4, wherein the groove is filled with the liquid.

6. (Original) An optical switch according to claim 5, wherein the switching member is moved by moving the liquid in the groove.

7. (Currently Amended) An optical switch according to claim 6, wherein the liquid is moved in the groove by a micro pump coupled to the groove.

8. (Original) An optical switch according to claim 1, wherein at least one of the plurality of switching portions comprises an interference filter.

9. (Currently Amended) An optical switch comprising:
a groove intersecting with an optical waveguide and filled with liquid;
a switching member movably provided in the groove; and
a micro pump coupled to the groove for transferring the liquid in the groove to cause the switching member to move within the groove in response to pressure applied from the pump via the liquid.

10. (Original) An optical switch according to claim 9, wherein the micro pump comprises a piezoelectric element.

11. (Original) An optical switch according to claim 9, wherein the micro pump has no valve therein.

12. (Original) An optical switch according to claim 9, wherein at least a part of the switching member has a refractive index different from that of the fluid.

13. (Canceled)

14. (Original) An optical switch according to claim 1, wherein the switching member comprises an interference filter.

15. (Currently Amended) An optical switch for changing over a running direction of a plurality of different wavelengths of light passing through an optical

waveguide between a first direction and a second direction, said optical switch comprising:

a switching member disposed on an optical path of the optical waveguide, said switching member having a plurality of switching positions for selectively guiding each of the plurality of different wavelengths of light independently into one of the first direction and the second direction depending on a position of said switching member, wherein the switching member is moved by applying pressure to a liquid in contact with the switching member.

16. (Previously Presented) An optical switch according to claim 15, wherein the plurality of switching portions includes a first switching portion and a second switching portion, wherein the first switching portion is for guiding lights of first and second wavelengths into the first and second directions, respectively, and wherein the second switching portion is for guiding lights of the first and second wavelengths into the second and first directions, respectively.

17. (Previously Presented) An optical switch according to claim 16, wherein the plurality of switching portions further includes a third switching portion for guiding lights of the first and second wavelengths into one of the first and second directions.

18. (Previously Presented) An optical switch according to claim 15, wherein the switching member is configured to move within a groove intersecting with the optical waveguide.